

Welcome

The Virtual Meeting on proposed revisions of
the Construction and Demolition Debris
Recycling and Reuse Ordinance
will begin shortly.



Proposed Revisions to the Construction and Demolition Debris Recycling and Reuse Ordinance

Environmental Programs Division

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Presentation Overview:

- Summary of the current Construction and Demolition (C&D) Debris Recycling and Reuse Ordinance
- State Requirements affecting the C&D Ordinance
- Proposed revisions
- Proposed implementation timeline



Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Summary of the Current Ordinance:

- Projects in unincorporated areas that require a Building and Safety permit must comply with this ordinance
- 50 percent of all material from C&D projects must be recycled or reused
 - 50 percent of mixed debris and inert debris.
 - Soil is calculated separately
- C&D debris must be taken to County approved facilities for recycling or reuse
 - Weight tickets must be submitted as proof of compliance
 - Any material taken somewhere not listed must get prior approval from EPD
- Penalty fee of \$100 for every ton not recycled or reused with a maximum fee of \$50,000

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Updates from the 2016 CalGreen Manual:

- C&D debris must be recycled at a minimum rate of 65 percent
- 100 percent of all Universal Waste must be properly handled
- 100 percent of all land clearing debris must be reused or recycled



Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Proposed Revisions to the C&D Ordinance:

- Diversion rate will be 70 percent or the rate required by the state, whichever is more stringent
- 100 percent of Land Clearing Debris must be reused or recycled
 - More options are available for compliance (IDEFOs)
- 100 percent of universal waste must be properly managed
- All material must be accounted for, including disposal
- Refundable project deposit
- Recycling and Reuse Facilities must be certified:
 - Third-party certification approved by the County
- Composting and Conversion Technologies are eligible for recycling
- County-managed projects will also be subject to the ordinance

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

How is C&D debris amount estimated?

- Debris is estimated based on the project type and size:

Project Type	Debris generation factor* (tons per sq. ft.)	
	Demolition	Construction
House (SFR, ADU, etc.)	0.058	0.002
Garage/Carport	0.036	0.002
Patio/Gazebo/Storage Shed	0.018	0.001
Wood-frame Structure	0.078	0.002
Concrete Structure	0.100	0.002
Driveway/Parking Lot/Walkway	0.010	-
Renovation/Remodel/Conversion	N/A	0.009
Tenant Improvement	N/A	0.009
Demo Exterior Wall	Depends on material	N/A
Demo Brick/Cinder Wall	0.029	N/A

*Based on a studies performed by the U.S. E.P.A in 2013 and 1998

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

How much is the Refundable Project Deposit?

- Deposit amount will be based on the estimated quantity of debris.

Estimated tonnage	Deposit amount	
First ton	\$ 500.00	
Up to 15 tons	\$ 60.00	per ton
>15 tons, up to 45 tons	\$ 45.00	per ton
>45 tons	\$ 30.00	per ton
\$100,000 MAXIMUM Deposit Amount		

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Sample Refundable Project Deposit Calculation

- For a project with an estimated tonnage of 15 tons:

$$\begin{aligned}\text{Deposit Amount} &= (1 \times \$500) + (14 \times \$60) \\ &= \$500 + \$840\end{aligned}$$

$$\text{Total Deposit} = \$1,340$$

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

How much of the Refundable Project Deposit will be returned?

- An Administrative Penalty will be calculated if sufficient documentation is not provided or the documentation provide indicates that the project C&D debris, hazardous materials, and universal waste were not properly recycled, reused and/or disposed. The penalty will be deducted from the deposit and the rest will be returned.

Tons of C&D not recycled and not reported	Administrative Penalty Amount	
First ton	\$ 100.00	
Up to 15 tons	\$ 60.00	per ton
>15 tons, up to 45 tons	\$ 45.00	per ton
>45 tons	\$ 30.00	per ton
MAXIMUM forfeited amount will not exceed deposit		

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Sample Calculation of Deposit Refund

- For a project with an estimated tonnage of 15 tons:
Deposit Amount = \$1,340
- 70 percent of 15 tons = 10.5 tons minimum must be recycled
- If no material is recycled or no receipts are provided, then the entire deposit of \$1,340 will be forfeited.
- If 5.5 tons are recycled, 5 tons disposed, and 5 tons not reported on:
10.5 tons – 5.5 tons = 5 tons not recycled
5 tons + 5 tons not reported = 10 tons so,
(1 x \$100) + (9 x \$60) = \$640 Penalty to be forfeited
\$1,340 - \$640 = \$700 to be refunded

Proposed Revisions to the C&D DEBRIS RECYCLE AND REUSE ORDINANCE

Approved Mixed C&D Debris Recycling Facility List

- Must be approved by a third-party certifier that has been approved by Los Angeles County.
- One year grace period to allow C&D recycling facilities to obtain certification.
- Grants will be available to assist some C&D recycling facilities to fund initial certification cost.

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Qualified Third-Party Organizations

- Must be third-party organizations that verify facility-average diversion rates with the following protocol:
 - Continuously monitors verified facilities to ensure meeting minimum requirements
 - Data submitted by the recycling facility is audited
 - Facilities submit data that supports the recycling rate, such as a mass balance recycling rate for a twelve-month period
 - Breakdown of materials by type and weight received and processed by the facility
- Must conduct site visits for the first year of certification and at least one every subsequent year.
- Recycling rates must be based on weight (not volume) using scales and available on a website and viewable by the public.

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List of Other Approved C&D Debris Recycling and Disposal Facilities

- Other facilities types including inert only, land clearing, deconstruction material only, IDEFO, and MSW Landfills have a certification process including:
 - Facilities must apply or re-apply in writing to be on the list.
 - Facilities must provide documentation such as proof of permits and diversion reports depending on the type of facility.
 - Facilities must be available for site visits upon request.

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Recycling Rates for Mixed C&D Recycling Facilities

- Recycling rates for each facility will be based on the total tonnage of recyclable materials sent to a downstream facilities for actual processing.
- The facility recycling rate computations shall not include alternative daily cover.

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Timeline:

- January 2022 – Public Stakeholder Outreach
- February 2022 – Incorporate Public Stakeholder Feedback
- March 2022 – Final version of C&D Ordinance and Guidelines
- June 2022 – Submit C&D Ordinance and Guidelines to LA County Board of Supervisors for approval
- July 2022 – C&D Ordinance to take effect (contingent on approval).

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County-managed Projects:

- Must continue to comply with the C&D ordinance
- Penalty for failure to comply to be enforced through contract administrative penalties
- Enforced by the County project manager
 - “Owner” of the project
- Penalty dependent on specifications of the project



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